



Swiss Dental Lab

WHEN QUALITY REALLY MATTERS

2021-2022 CLIENT CATALOGUE



swissdentallab.ca



TABLE OF CONTENTS

Introduction

The SDL Difference3

Working with Swiss Dental Laboratory

Who We Are4

Lab Communication5

Product Overview6

Full Product and Services List with Lab Production Time 7-8

Crowns and Bridges

Crown Preparation Guides9

Implant Dentistry

InnoBioSurg Implant Systems Overview 10-11

InnoBioSurg Company Profile 12

Digital Dentistry

Sending Digital Impressions and Digital Workflow 13

Smile Design 14-15

Special Offers

Dentist Direct - A Local BC Dentist Directory 16



INTRODUCTION

THE SDL DIFFERENCE

The future of dentistry is already here, and we are extremely excited about the role that our dental laboratory will have in leading this digital evolution. **SDL Swiss Dental Laboratory** is committed to evolve and remain even more relevant for our clients in this era of swift industry change.



In dentistry, this is reflected by the profession embracing more mature CAD/CAM technology for purposes such as **milling**, while increasingly adding **intraoral scanning, 3D printing, smile design, and orthodontic planning software** to their day-to-day practice. The potential for change is vast and so are the choices.

CAD/CAM is a component of change on a global scale, not just within dentistry. Understanding how digital technology is changing the face of dentistry is essential for every member of the practice team, from the dentist through their clinical colleagues and practice managers to dental technicians in the laboratory.

Every aspect of dentistry has been touched by this societal and technological evolutionary phase, which has been described in a book by Professor Klaus Schwab as the “**fourth industrial revolution**”.

We see **SDL Swiss Dental Lab**’s role as that of an expediter of change. We help our customers understand the role of digital technology within the dental workflow and, thanks to our strategic partnership with key partners globally, we can identify developing trends and demonstrate how best to integrate tailor-made **CAD/CAM solutions** into our and yours daily routine. We can show how it will improve production, enhance the patient experience, refine outcomes, and make successful treatments more predictable and consistent. We can also advise on the best solutions to suit your individual needs.



WORKING WITH SDL

WHO WE ARE

SDL Swiss Dental Laboratory is a Vancouver-based traditional and digital, full-service provider with **over three decades of lab experience** in fixed as well as removable restorations, including crowns, dentures, orthodontics and implants.

We have a deep knowledge of current dental materials; providing quality products and differentiated services to our customers at a competitive price.

The constant evolution within our industry is what has necessitated the compilation of this manual of current trends. We are very proud to share this with you and provide you with an overview of many of our specialized services and products. We also want you to be aware of our wide range of modern digital workflows.



As you will see in the following pages, our digital investment is supported by qualified technicians and we are here to give you the confidence that you are partnering with the best strategic partner to move your practice forward.

Please feel free to call us at **604 875 6331** for further inquiries and/or questions or to request to meet with us in a virtual meeting via Zoom Video Conferencing.

We look forward to working with you and seeing how we can best support you!



WORKING WITH SDL

LAB COMMUNICATION

Here at **Swiss Dental Laboratory**, we want to establish a mutually beneficial relationship by emphasizing our commitment to your success as well as the success of all of your patients. We consequentially place an emphasis on proper communication between us as a lab and you as our clients.

Transparency and open dialogues are the foundation for developing business relationships.

Every exchange, whether a small request or a long phone call, is meaningful to us and we have used our experience to guide how we practice our craft.

Outlined below are our communication guidelines:

PHONE CALLS:

We will try our best to return any phone calls that are directed towards our lab as soon as possible. If there are any issues with a case, please let us know immediately as well.

If there is a case that is ready for pickup, please notify us ahead of time prior to 2:00pm PST. This is to ensure that all local clients will be able to receive free same day pickups.

Any pickups called in after 2:00pm will be scheduled for the following business day.



EMAILS:

All emails should be directed towards **mlamsdlswissdentallab@shaw.ca**. As with our phone calls, we will try our best to get back to you as soon as possible.



WORKING WITH SDL

PRODUCTS AND SERVICES OVERVIEW



IMPLANTS

We offer all manner of implant-related services, including abutments, over implant restorations, and stents.



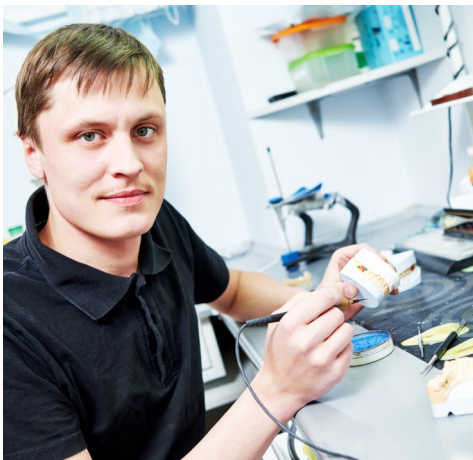
DENTURES

We promise the highest level of quality and include a variety of services to help our clients throughout each denture case.



CAD/CAM AND DIGITAL DESIGN

Our laboratory is equipped with the latest in CAD/CAM and milling technology. **We accept both traditional and digital impressions.**



CROWNS AND BRIDGES

We have committed ourselves to using safe, quality materials to create the right fits for your teeth.



ORTHODONTICS

We manufacture our own orthodontic devices to suit your dental needs, whether **fixed** (such as braces) or **removable** (such as retainers).



SLEEP APPLIANCES

For patients diagnosed with sleep apnea or suffering from other sleeping conditions, our lab sells devices that aid in their treatment, such as **Panthera Dental's D-SAD.**



WORKING WITH SDL

FULL PRODUCT AND SERVICES LIST WITH LAB PRODUCTION TIME

Swiss Dental Laboratory offers a diversity of dental products and services in line with our clients' unique preferences and their patients' clinical needs. We endeavor to accommodate all of our clients as fairly and promptly as we are able to.

The **following timeframes** are what we use for production, however, we are aware that there are circumstances that require **some flexibility** with dates. We encourage our clients to **call and discuss** reasonable alternative timeframes.

IMPORTANT

- Statutory holidays and weekends are NOT included in lab production schedule. Please add an extra production day for statutory holidays.
- Pickup and delivery days are NOT included in the lab production schedule.
- Same day repairs must be called in BEFORE 10am.
- Please prebook for full arch and full mouth reconstruction cases.

CROWN AND BRIDGE CERAMICS

WORKING DAYS

IPS Empress/Emax/Crown Veneers (1-3).....	5
IPS Empress/Emax/Crown Veneers (4-6)	6
IPS Empress/Emax/Crown Veneers (7+).....	8
Product Overview Advanced Cosmetic Crown Veneers	8
Full Arch.....	Please call
Full Mouth	Please call
Zirconia Bridge Layered	8-10
Full Contour Zirconia Crown.....	5
Diagnostic Wax Up	
Full Arch.....	8
Full Mouth	10
1-8 Units	5



WORKING WITH SDL

FULL PRODUCT AND SERVICES LIST WITH LAB PRODUCTION TIME

CROWN AND BRIDGE PFM

WORKING DAYS

1-3 Units	5
4 or More Units.....	7
Post and Core Separate Crown	4

ORTHODONTIC APPLIANCES

WORKING DAYS

Positioners/Splints/Frankel	4
Soap Stone Models	7
Removable Orthotic	10
Sleep Appliances	15

DENTURES AND CAST PARTIALS

WORKING DAYS

Custom Tray.....	2
Bite Block.....	2
Casting.....	7
Framework Try-in	6
Framework Try-in with Teeth.....	7
Set up Existing Framework.....	3
Full Denture Try-in.....	3
Immediate Denture.....	5
Acrylic Partial 1-4 Teeth	3
More than 4 Teeth	4



CROWNS AND BRIDGES

CROWN PREPARATION GUIDES

	AXIAL	OCCLUSAL
Full Gold	<i>0.5 mm</i>	<i>0.5 mm - 1.0 mm</i>
Full Contour Zirconia	<i>1.0 mm</i>	<i>1.0 mm</i>
Porcelain fused to metal	<i>1.5 mm</i>	<i>1.5 mm - 2.0 mm</i>
Porcelain fused to zirconia	<i>1.0 mm - 2.0 mm</i>	<i>1.5 mm - 2.0 mm</i>
Lithium Disilicate	<i>1.0 mm - 1.5 mm</i>	<i>1.5 mm - 2.0 mm</i>





IMPLANTS

INNOBIOSURG IMPLANT SYSTEMS

Whether as a result of age, injury, or accidents, we may lose any number of our beautiful white teeth throughout our lifetime. Replacing missing teeth may seem daunting at first, but there are long term benefits to be gained from oral restorations.

Dental implants, which work via a metal implant body that is inserted into the gums and covered with a ceramic crown, are viable and safe replacements for our natural pearly whites.

Swiss Dental Laboratory is proud to offer one of the most innovative and premier dental implants currently on the market - **the InnoBioSurg (IBS) Implant** - through **IBS Canada**.

“DIFFERENT, BUT BETTER”



Developed in Korea by **Dr. Je Won Wang**, an experienced and renowned dental engineer as well as inventor, the InnoBioSurg implants have paved the way for a new paradigm in dental restoration technology. These implants are designed with one specific goal in mind: **minimally invasive implant surgery**.

A common issue among dental surgeons is the painful effect of implant surgery on patients' jawbones and gums, especially if there is not enough room in the mouth for an implant to work.

InnoBioSurg implants have a structure that conforms to the natural anatomy of our teeth, enabling them to fit into the jaws of patients who possess a narrower oral structure without additional intrusions such as bone grafting.

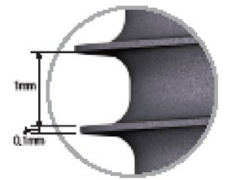


IMPLANTS

INNOBIOSURG IMPLANT SYSTEMS (Cont.)

With **IBS Implants**, patients will feel reduced pain throughout the entire process, from the initial surgery to recovery. The implants themselves are sturdy, and they feature grooves on their implant studs known as **Magic Fin Threads**.

These fin threads distribute stress equally throughout the implant that otherwise would have affected the bones in the mouth, improving stability and helping to speed up the recovery process post-surgery.



Another amazing application for IBS implants is with **overdentures**. Unlike most other dental implants, InnoBioSurg's technology makes it so that it only requires **two implants** to mount an overdenture system.

The InnoBioSurg "Magic Motion" overdenture systems are designed to reduce the amount of time spent maintaining dentures and increase their overall longevity.



Keeping in line with an emphasis on minimally invasive practice and stability, the IBS implant heads supporting the dentures enable **flexible directional movement** that mimics that of human anatomy in the mouth. Thus, repetitive motions such as chewing have less of an impact on the dentures' lifespan.





IMPLANTS

INNOBIOSURG IMPLANTS COMPANY PROFILE

In the field of implant surgery, the past decades have seen remarkable advancement alongside medical technology, with efficiency and value becoming more accessible. **Despite** the rapid growth that can still be observed up to the present, there was a gap in the industry when it came to **reducing patient pain and simplifying complex techniques.**

Sensing an opportunity in the year of **2003**, Korean dental surgeon, engineer and inventor **Dr. Je Won Wang** decided to take action. He started his own implant surgery research, focussing on a means to achieve a minimally invasive approach. His doubts about conventional implant surgery led to **five years of research and development.** during which he created the **Magic Surgical System.**



Beginning in **2008**, Dr. Wang set up **InnoBioSurg Implants (IBS Implants)** to produce and distribute the Magic Surgical System's line of products. Since then, IBS Implants has represented the Korean implant surgery industry on an international level, with production, distribution, and education of IBS Implants across the globe. With locations in key geographical areas such as the **United States, China, Vietnam, Europe, and now Canada**, Dr. Wang has been able to satisfy a **new paradigm** that helps both patients and dental surgeons with the implant surgery process.

Learn more about at ibsimplant.com/kor.

For Canadian inquiries, visit ibsimplant.ca.





DIGITAL DENTISTRY

SENDING DIGITAL IMPRESSIONS AND DIGITAL WORKFLOW

The workflow we have in place for manufacturing depends on the options a dentist has in terms of their own equipment availability and preferences. **As a fully-equipped dental lab, we can accept both digital files as well as traditional impressions.** Our digital workflow makes use of CAD/CAM technology.

Please email your digital cases to sdlcadcam@shaw.ca. We accept files as well as links (Dropbox, Google Drive, etc.).

Regardless of what option you take, we at **Swiss Dental Laboratory** will begin the manufacturing process by first taking the digital file or traditional impression for scanning.



IVOCLAR VIVIDENT'S PROGRAMILL PM7 CAD/CAM MACHINE

1. Using our 3Shape Scanner, our technicians will scan the impression for planning and design, and to ensure that we will be able to accommodate to the written specifications.
2. Our technicians will then use our state-of-the-art PrograMill PM7 CAD/CAM Machine to design the anatomical features, size and shape of the tooth restoration on a computer.
3. The CAD/CAM computer screen will display a 3-D custom image of the patient's teeth and gums, allowing our technicians to draw precise depictions of the tooth restoration.
4. A ceramic block, selected to match the specific coloured tooth, is placed into the PrograMill PM7, which fabricates the restoration in the milling chamber.
5. Once in the machine, the milling chamber will craft the tooth-like ceramic material into a precise replica of your restoration. This entire process can take as little as 6 minutes.
6. After our technicians have confirmed the manufacturing has completed, the restoration will be ready to be fitted.



DIGITAL DENTISTRY

SMILE DESIGN

A GOOD SMILE IS MORE THAN JUST ABOUT LOOKS

At SWISS DENTAL LABORATORY, we understand the value of a genuine smile to your patients' oral health as well as their everyday appearance.

Digital workflows and the ever-expanding innovations in digital dental technology have enabled us to do so much more to optimize patients' facial esthetics and help ensure that they understand what it takes to get the results they are looking for before proceeding with treatment.

With our **new Smile Design program**, we want to work together with your patients to create their ideal smile. Our team specializes in **full-arch restorations**, which works on restoring or replacing multiple teeth at once rather than individual teeth to create a cohesive and stable smile.

From the initial consultation to the design, manufacturing, and the final product, our team of skilled dental technicians will be there to assist you throughout with their experience and expertise. We will strive to communicate with you as the dentist to ensure that all information and diagnostics are accurate, leading to better productivity and efficiency.





DIGITAL DENTISTRY

SMILE DESIGN (Continued)

WHAT IS SMILE DESIGN?

Using the power of the latest innovations in digital dental technology, our smile design team works with you and your patients to **turn dreams of a natural, straight, and pearly white smile into reality.**

This process both improves overall oral health while supplementing physical appearance by decreasing the effects of age and discoloration. Unlike alternative treatments that alter the facial structure (e.g. Botox), if a patient chooses to invest their time and money into a complete smile design plan, they can rest assured that **the benefits will be long-term** rather than temporary.

Whether or not your teeth are healthy at the moment or in need of work, smile design is something which we encourage anyone who values a proper, healthy smile to consider.

HOW DOES IT WORK?

The dentist first works with the patient to sort out any current issues regarding **their oral hygiene or any dental diseases** to ensure that our lab can properly examine the patient's teeth anatomy.

Afterwards, we will have the dentist send us photos of the patient's teeth as they are currently, along with any other relevant details. Patients should have an idea of what kind of smile they would like to have in mind, which is why we insist on patients to **bring in photos featuring potential smiles we can use as a reference for the design (e.g. a celebrity or model's smile).**

When a design is settled on, we then examine with the patient how to structure their teeth via **previewing different sets of positioning and arrangement and their outcomes.** This is accomplished via an in-depth analysis using our CBCT x-ray imaging technology.

Factors such as the amount of vertical space in the mouth that is required, the horizontal space that is formed by the arches, and how the lips are supporting the teeth are important considerations.

Once we finalize a template to work with, **the guided surgery** can begin.



SPECIAL OFFERS

DENTIST DIRECT - A LOCAL BC DENTIST DIRECTORY

Dentist Direct is a new online platform for Canadians living in **British Columbia** and other areas in Canada that aims to match dentists with prospective patients and vice versa. Unlike other similar platforms, Dentist Direct is a directory that tailors itself **specifically for the growing Canadian market**. The interface is easy to navigate, and its emphasis on Canada narrows down results considerably for their target audience to quickly find an ideal dental professional for their needs.

The website's database is **pre-listed** with listings featuring registered dental businesses from across the province. These listings are standardized with names and locations. Dentist Direct's listings are **free to claim**, and all dentists are encouraged to do so. **Claiming a listing at the basic level** allows you to update your business's information accordingly, and begin to find patients through our platform.

Dentists who are looking for further options can choose to **purchase a paid plan** that comes with two different tiers. **Benefits** include more than one category for searches, a higher presence in search results, and the ability to publish content on your listing (events, articles, etc.) and directly add contact info and links to social media and websites.

Paid listings have a much greater degree of **flexibility** and lets potential patients see everything they need without having to look up details on multiple platforms and waste time - **a one stop shopping window**. This gets patients to you quicker and makes things easier for both parties in their communication.

